

Cambium C050910C801A ePMP 5 GHz Force 300-25 High Gain Radio (ROW) (ANZ cord)

SKU: WIF-CB-00087

MPN: C050910C801A

Description

Cambium's ePMP Force 300 are a third generation multipoint subscriber radio designed as an economical solution for point-to-multipoint applications.

Combining the latest 802.11ac Wave 2 chipset and the field proven TDD MAC of ePMP, the Force 300-25 offers an affordable point to point product and a long range subscriber module for the ePMP 3000 and ePMP 3000L Access Points.

Force 300-25 provides moderate to long range connectivity with its 25 dBi integrated 470 mm diameter dish antenna. With its narrow beamwidth this model is the ideal choice for operation in noisy urban environments.

Supporting modulation up to 256QAM in 2x2 MIMO the subscriber is capable of peak throughput up to 600 Mb/s.

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Force 300 radios are designed to connect to ePMP 3000 series wireless access points. The subscriber's high gain 25 dBi dish antenna permits high data speeds within 10 kilometres and basic connectivity significantly further. Actual achieved data rates will of course depend on channel conditions and environment.

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Cambium Networks enables service providers; enterprises; governmental and military agencies; oil, gas and utility companies; Internet service providers; and public safety organizations to build powerful communications networks, reach users from 200 kilometers across mountain tops down to their devices, and intelligently manage their business Wi-Fi infrastructure through end-to-end network ...

Network Interfaces

Wireless Interfaces

| | | | | | | | |
|------------------|---------------------------------|--------------------------|----------------|----------|---------------|------------|----------------|
| Topology: | Multipoint Terminal/Subscriber, | Max. Clients: | 1 | | | | |
| | Point-to-Point (P2P) | Aggregate Channel Width: | 80 MHz | | | | |
| Max. Throughput: | 600 Mb/s | | | | | | |
| Encryption: | AES-128 | | | | | | |
| Transmit Power: | 27 dBm | Receive Sensitivity: | -87 dBm | | | | |
| Agg. Data Rate: | 600 Mb/s | Agg. Channel Width: | 80 MHz | | | | |
| Wireless Bands | Path Mode | Start Frequency | Stop Frequency | MIMO | Channel Width | Modulation | Max. Data Rate |
| 5 GHz | TDD | 4910 MHz | 5970 MHz | 2x2 MIMO | 80 MHz | 256QAM | 600 Mb/s |

Ethernet Interfaces

| | | | | |
|-------------|----------|------------|-----------------------|----------------|
| Interface | Quantity | Function | Signalling | PoE Input |
| RJ45 Copper | 1 | Data & PoE | 100BASE-T, 1000BASE-T | Cambium 30 Vdc |

Antenna Specifications

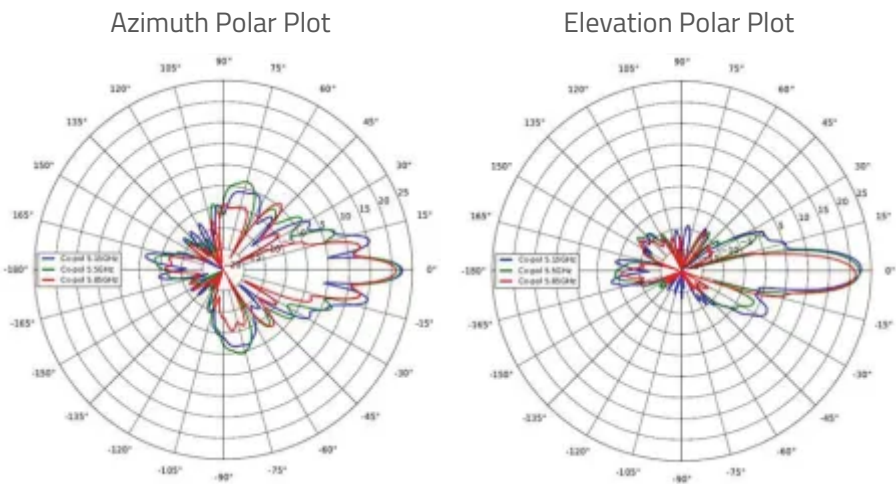
| | | | |
|------------------|----------|------------------|-----------------|
| Start Frequency: | 4910 MHz | Polarisation: | Dual Pol (V, H) |
| Stop Frequency: | 5970 MHz | Input Impedance: | 50 |

Frequency Test Data

| | | | | | | |
|-------------|------------|-----------|---------|-----------|-----------|---------|
| Start Freq. | Stop Freq. | Peak Gain | Azimuth | Elevation | F/B Ratio | XPD |
| 4910 MHz | 5970 MHz | 25 dBi | 10° | 10° | > 25 dB | > 20 dB |

Polar Patterns

Start Frequency: 5150 MHz
Stop Frequency: 5850 MHz



Physical Specification

| | | | |
|-----------------------------|-----------------|----------------------------|--------------------|
| Subtype: | Wireless Bridge | Dimensions: | 310 × 470 × 470 mm |
| Min. Operating Temperature: | -30 °C | Weight: | 2.4 kg |
| Max. Operating Temperature: | 60 °C | Materials: | Aluminium |
| Ingress Protection: | IP55 | Compliance/Certifications: | R-NZ , RCM |

Power Specifications

| | | | |
|----------------|---------------------|----------------------|------|
| Power Options: | Power over Ethernet | Typical Consumption: | 12 W |
|----------------|---------------------|----------------------|------|

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